



JSC Reliability Capabilities and the Role of the Receiving Inspection and Test Facility (RITF)

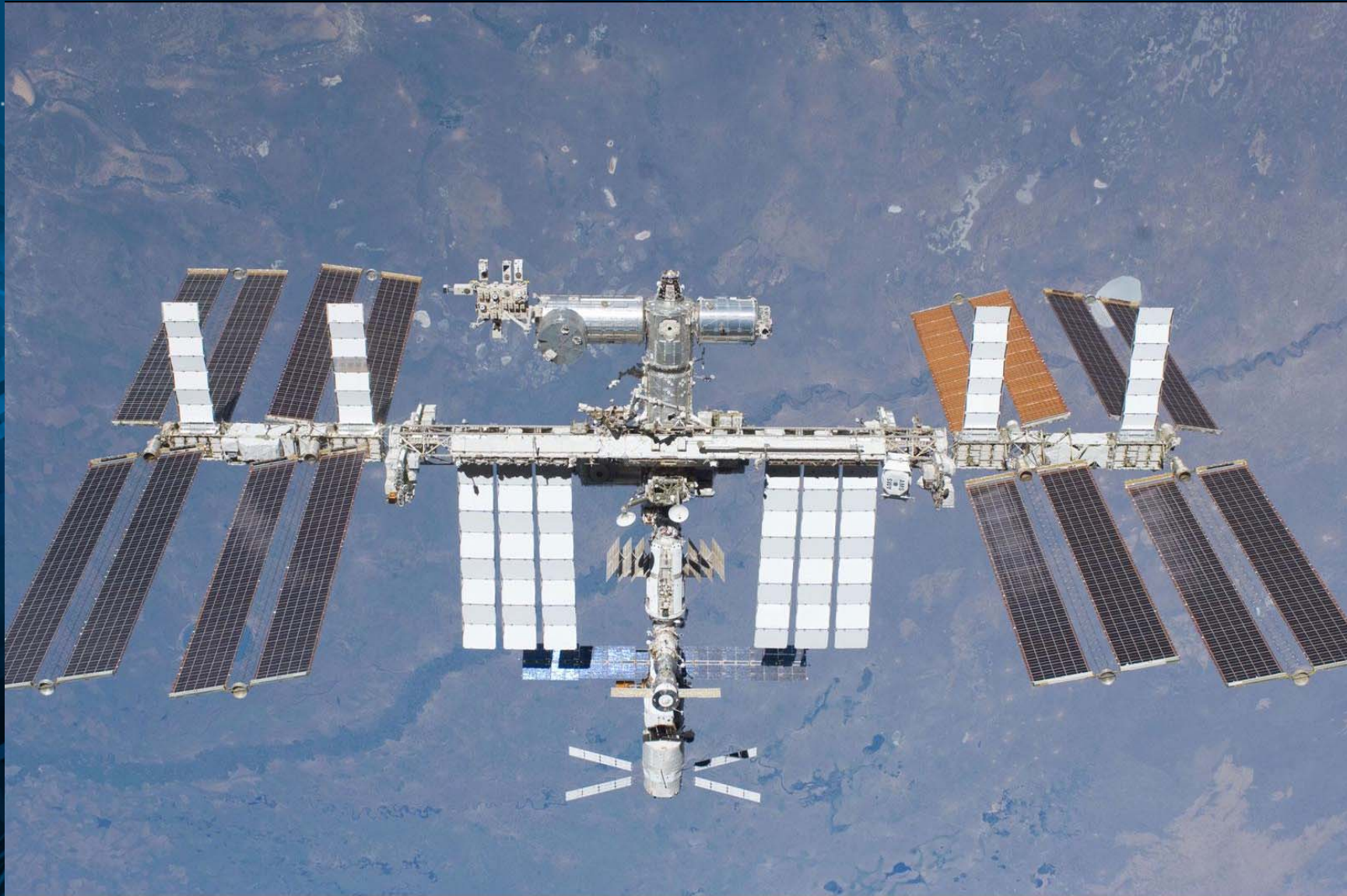
David Kaplan
Johnson Space Center
August 26, 2014



Reliability is critical
to bold undertakings . . .



Reliability is essential when “failure is not an option” . . .

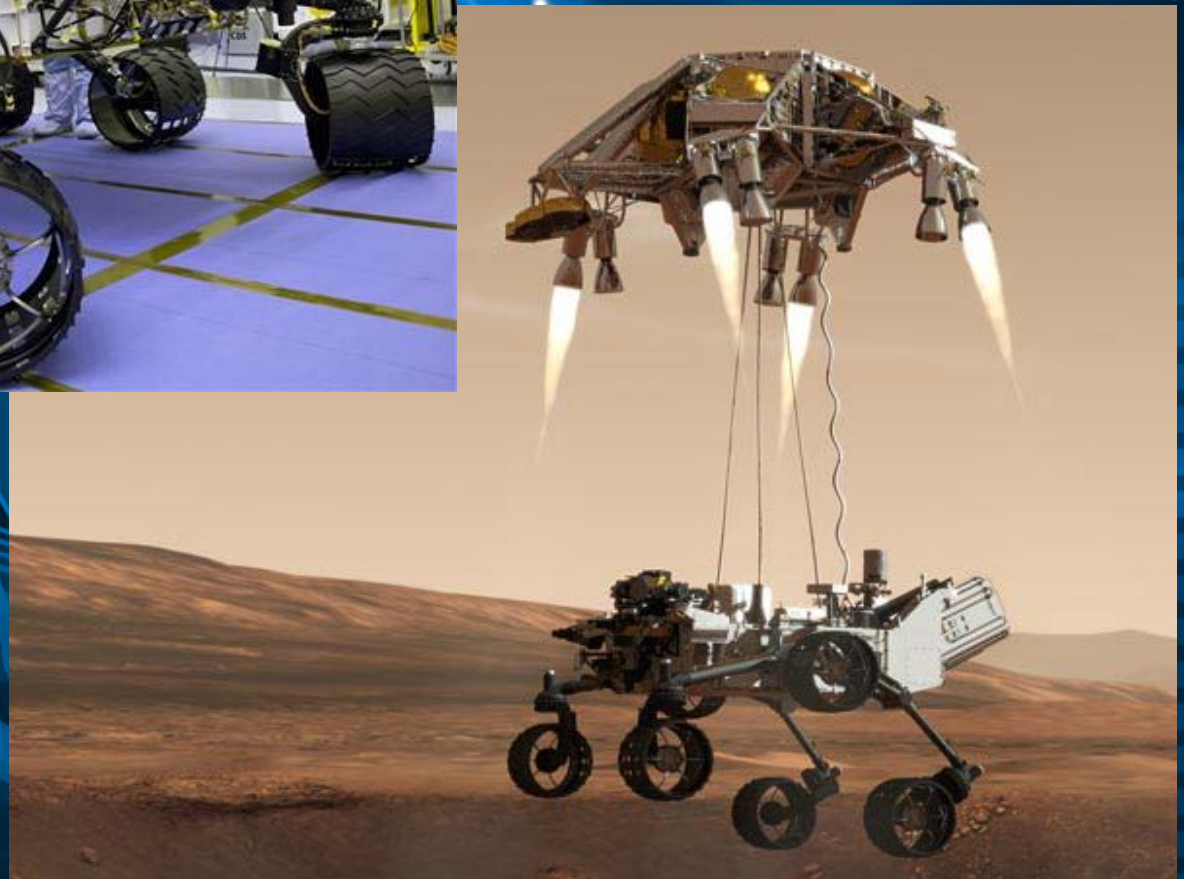




When there is no
“roadside assistance” . . .



. . . reliability determines
success.

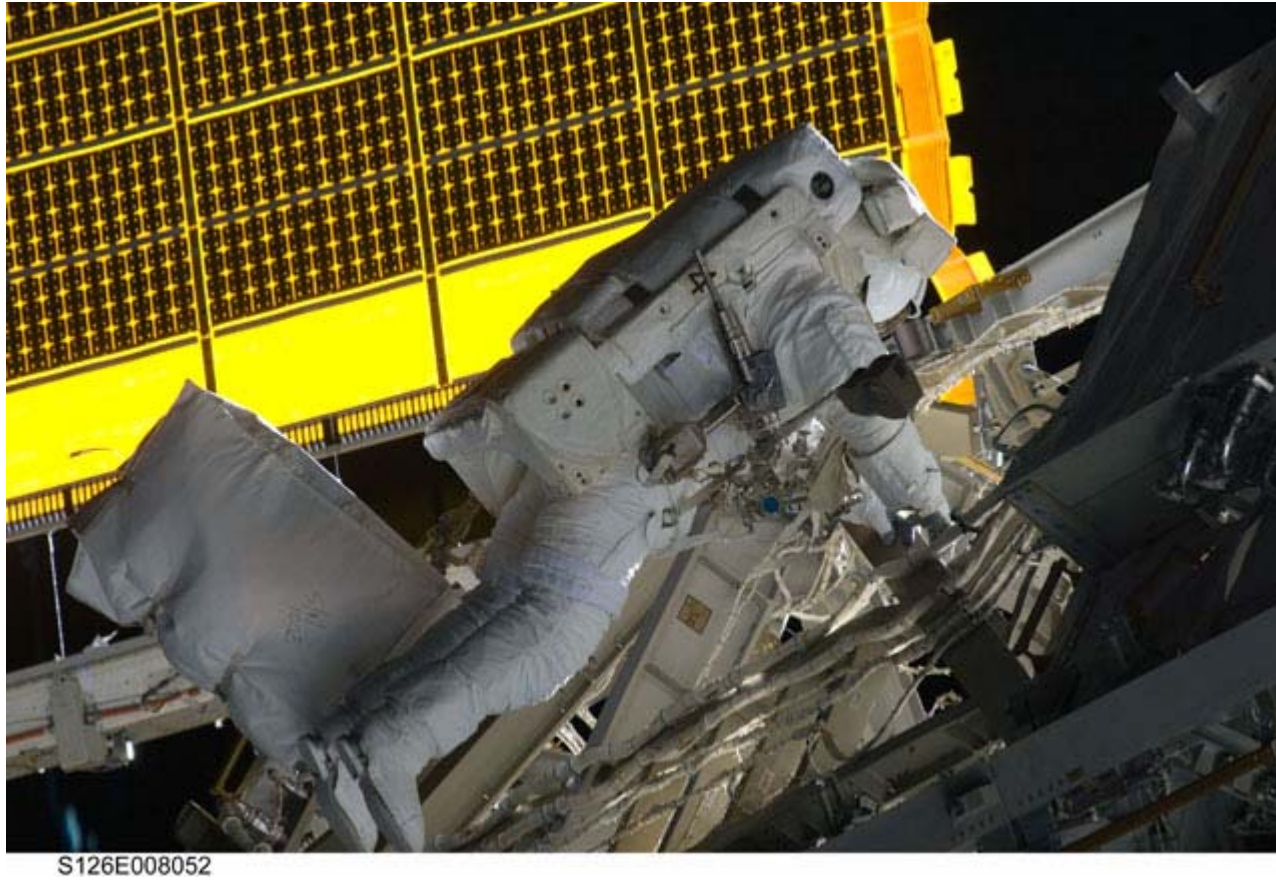




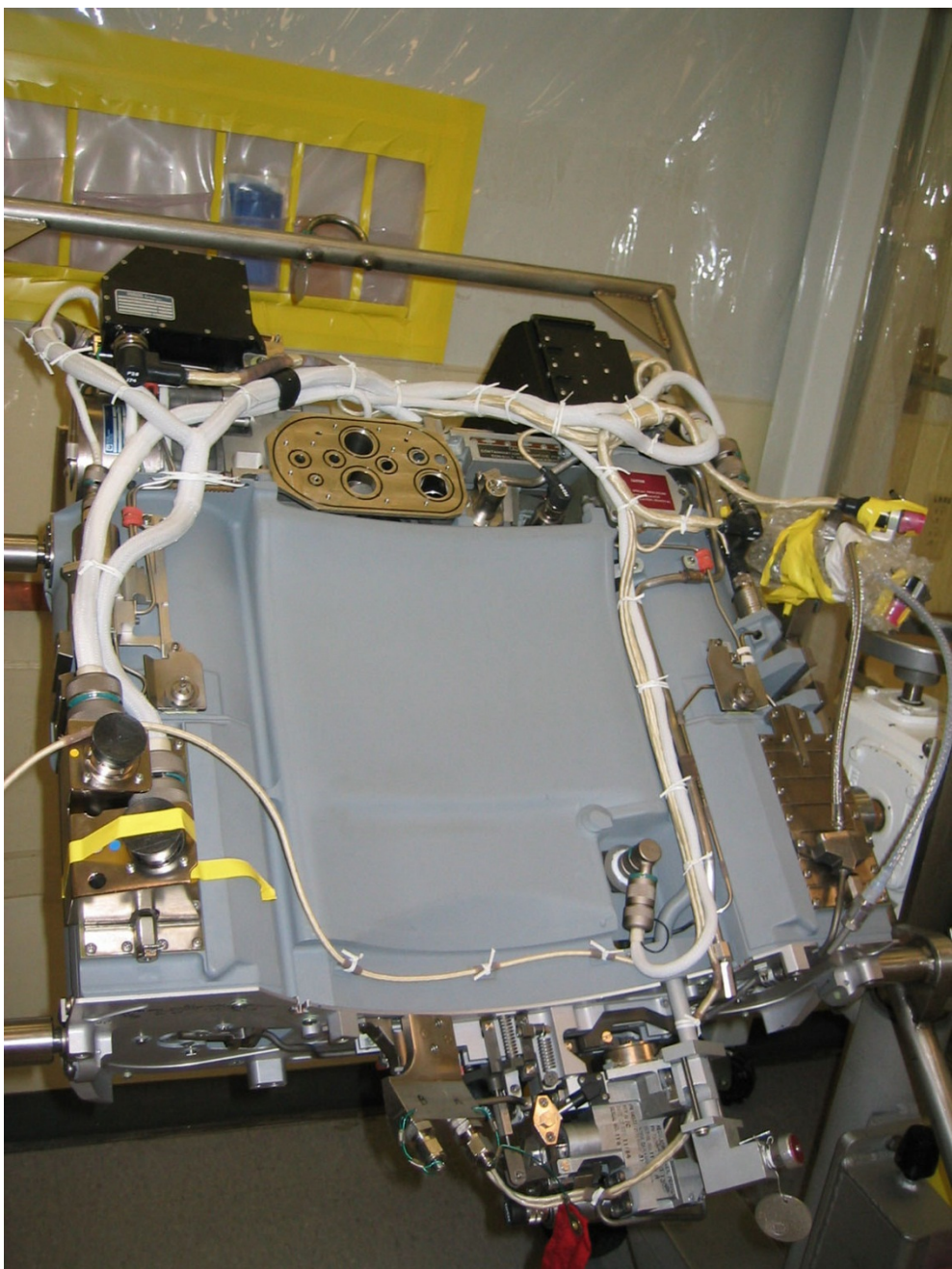
At JSC, Reliability capabilities include:

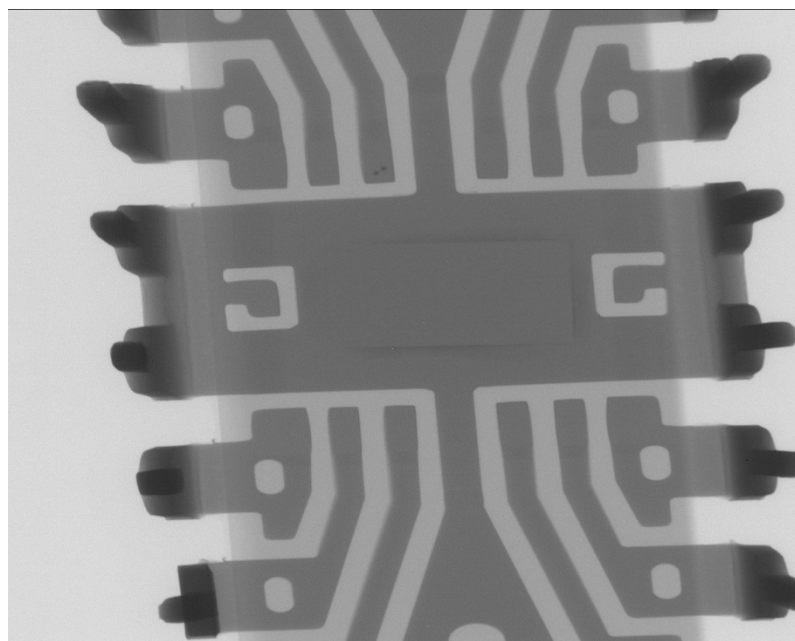
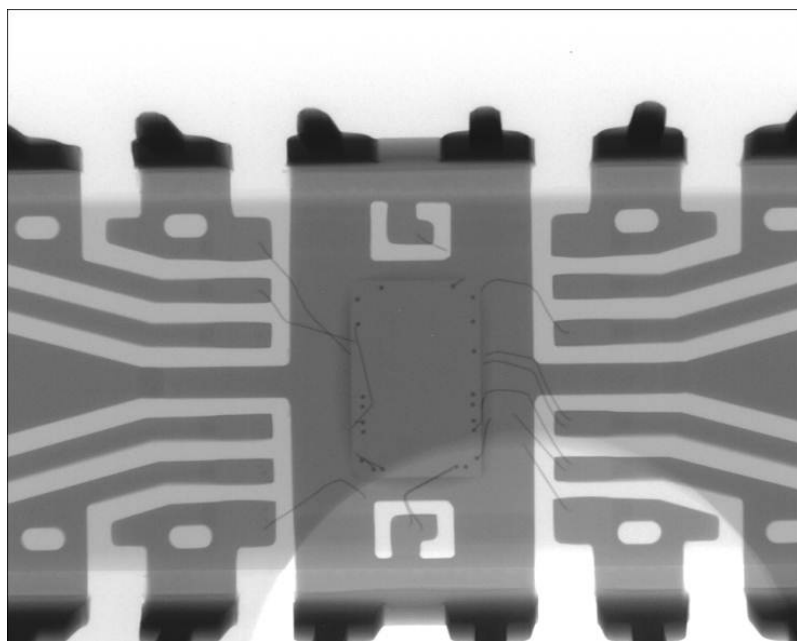
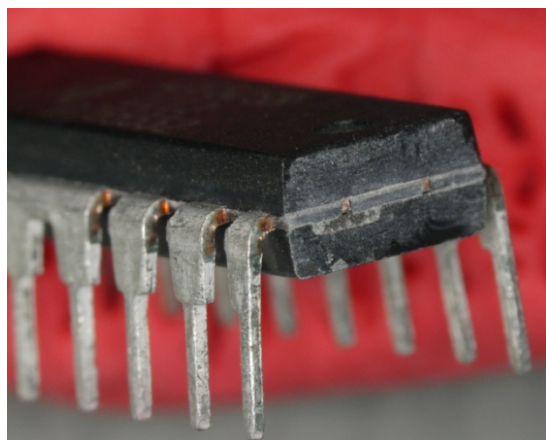
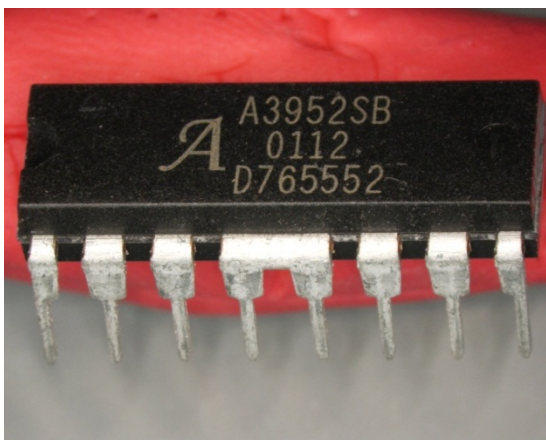
- Probabilistic Risk Assessment (PRA)
- Risk Simulation and Modeling
- Failure Modes and Effects Analysis (FMEA)
- Fault Trees/Event Trees
- Emerging Risk Identification through Data Analysis
- Counterfeit Parts Detection
- Parts Screening & Inspection
- Failure Analysis
- Workmanship Training Classes



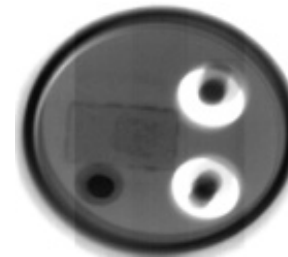
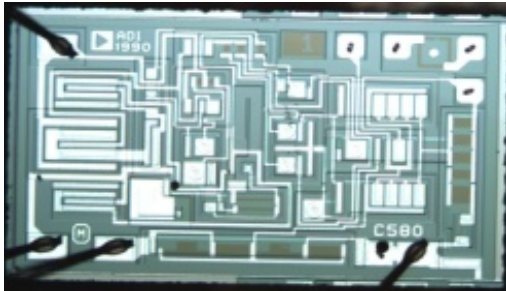


STS-126 Mission Specialist Steve Bowen translates across the S3 Truss during the first session of Extravehicular Activity (EVA 1) of Expedition 18 / STS-126 joint operations.





SEAWARS Substitute Part





W. David Beverly

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RECEIVING INSPECTION AND TEST FACILITY

◆ *“Assuring Safe Space Exploration Through Test and Evaluation”*

